TOGETT"2288860

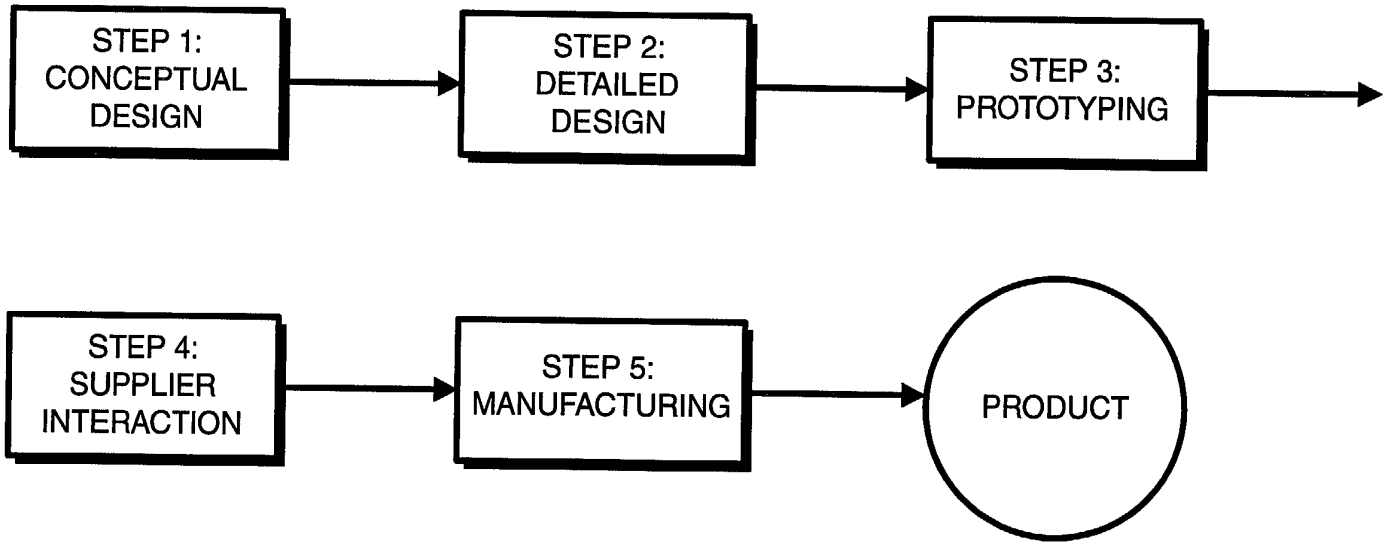


Fig. 1

TOGFTT 2688860

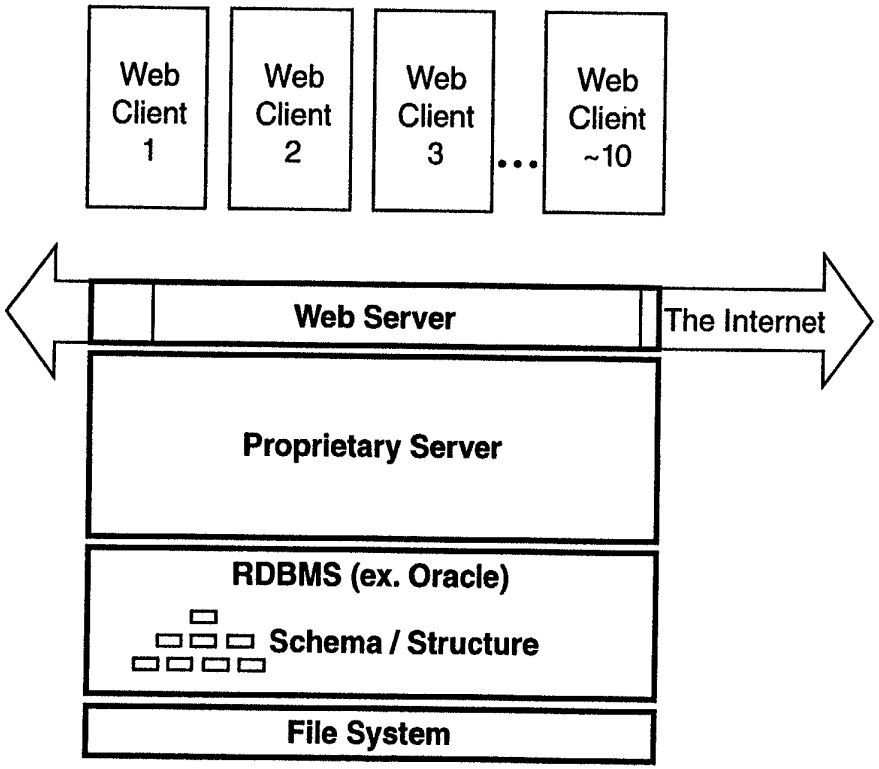


Fig. 2A

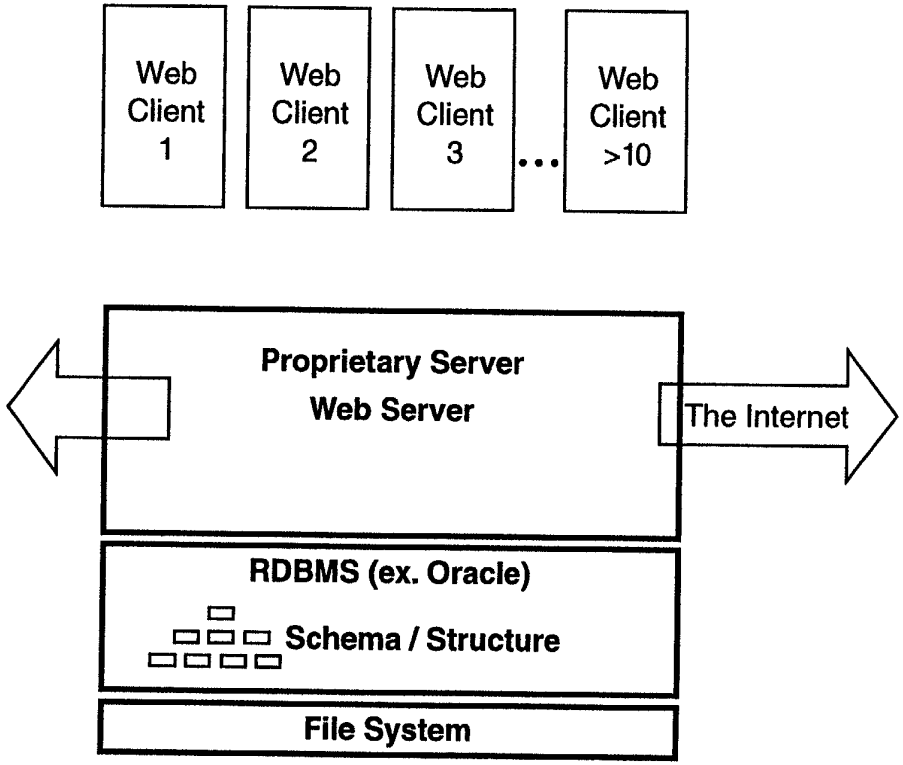


Fig. 2B

T06TTT 2EB8860

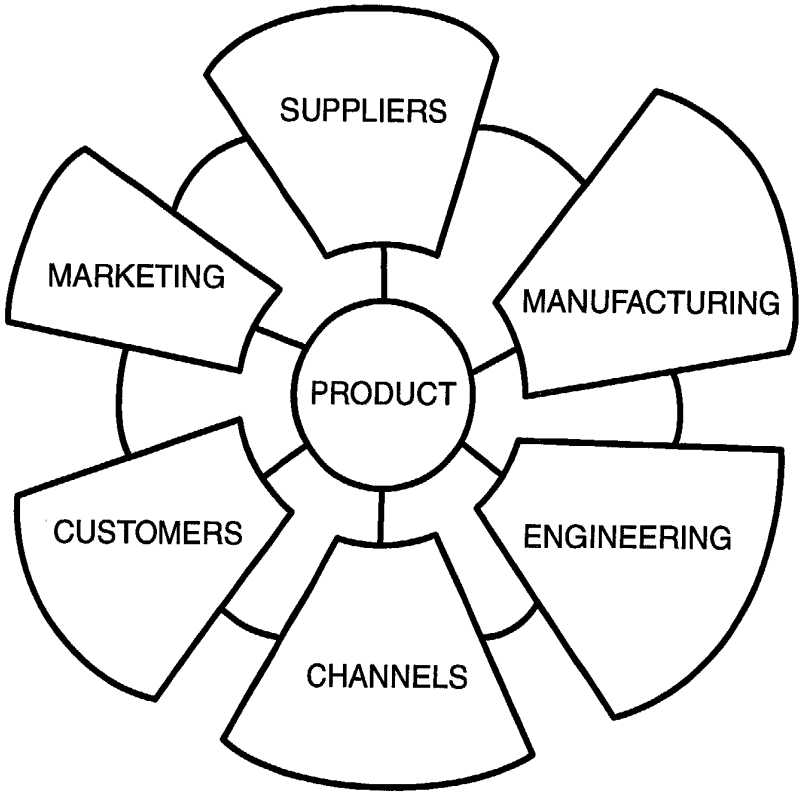


Fig. 3

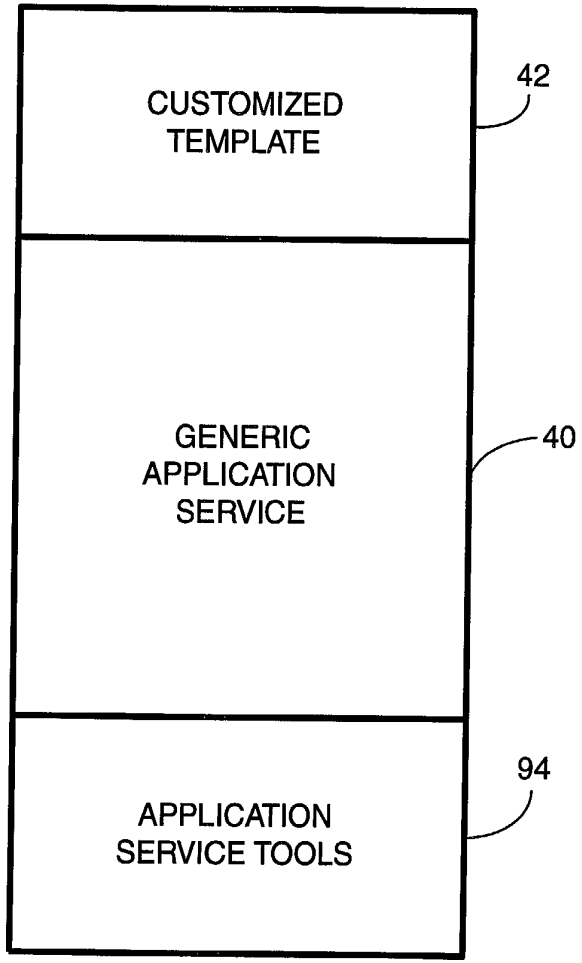


Fig. 6

TOSTTT" 2258860

Fig. 4

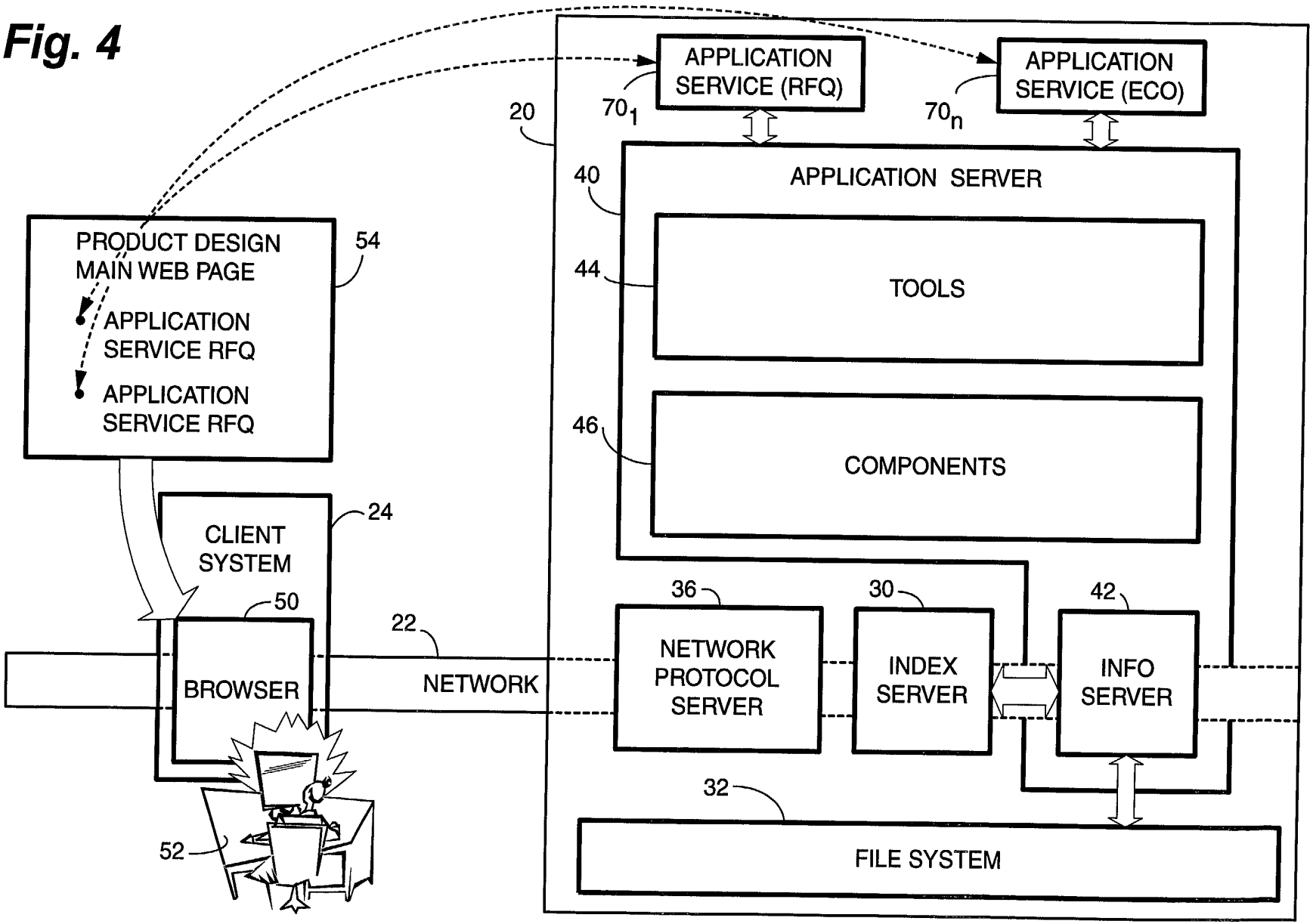


Fig. 4A

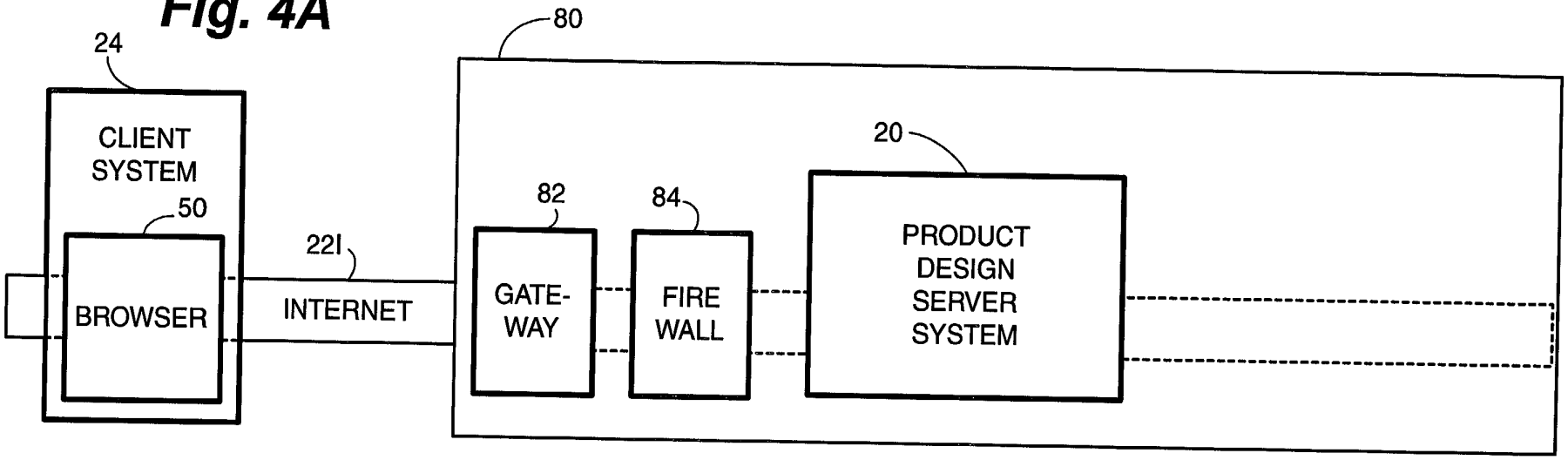
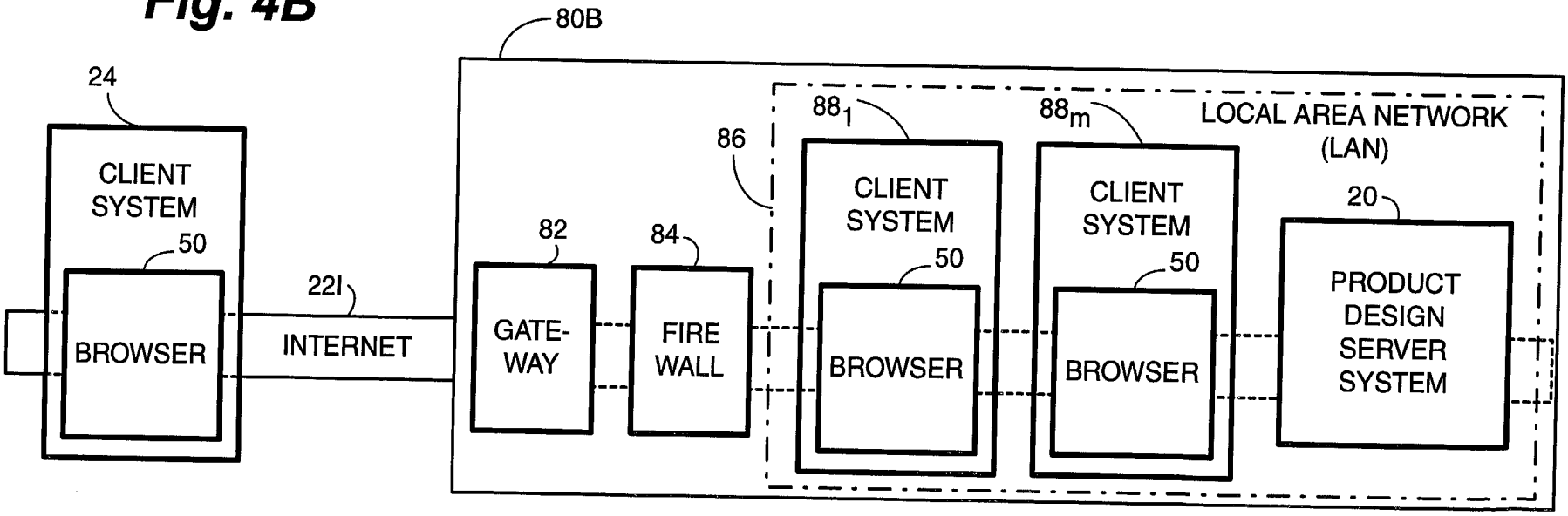
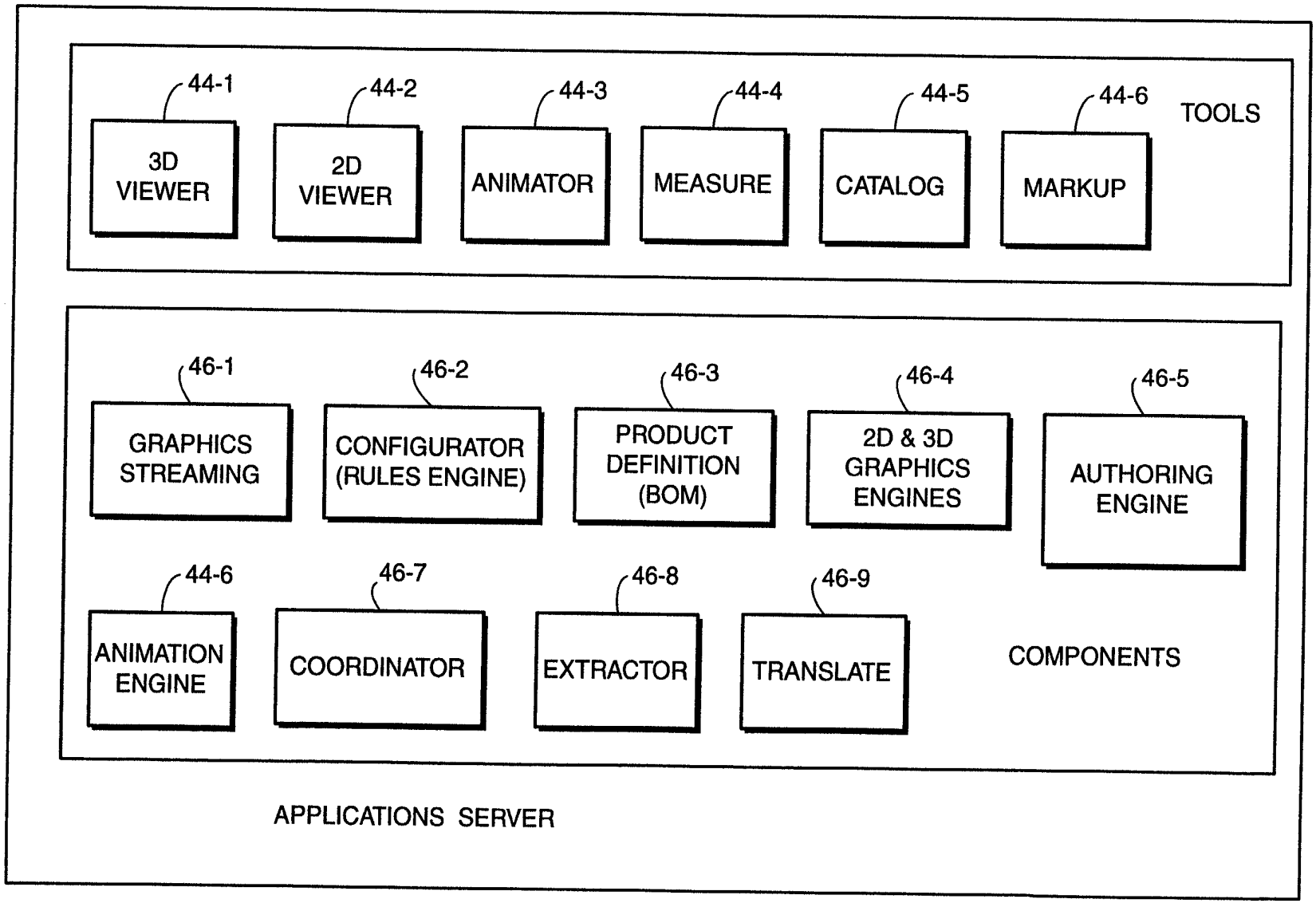

24
CLIENT SYSTEM
50
BROWSER
22I
INTERNET
80
82
GATE-WAY
84
FIRE WALL
20
PRODUCT DESIGN SERVER SYSTEM

Fig. 4B


24
CLIENT SYSTEM
50
BROWSER
22I
INTERNET
80B
82
GATE-WAY
84
FIRE WALL
86
88 1
CLIENT SYSTEM
50
BROWSER
88m
CLIENT SYSTEM
50
BROWSER
LOCAL AREA NETWORK (LAN)
20
PRODUCT DESIGN SERVER SYSTEM

TOGITT" 2688860

Fig. 5



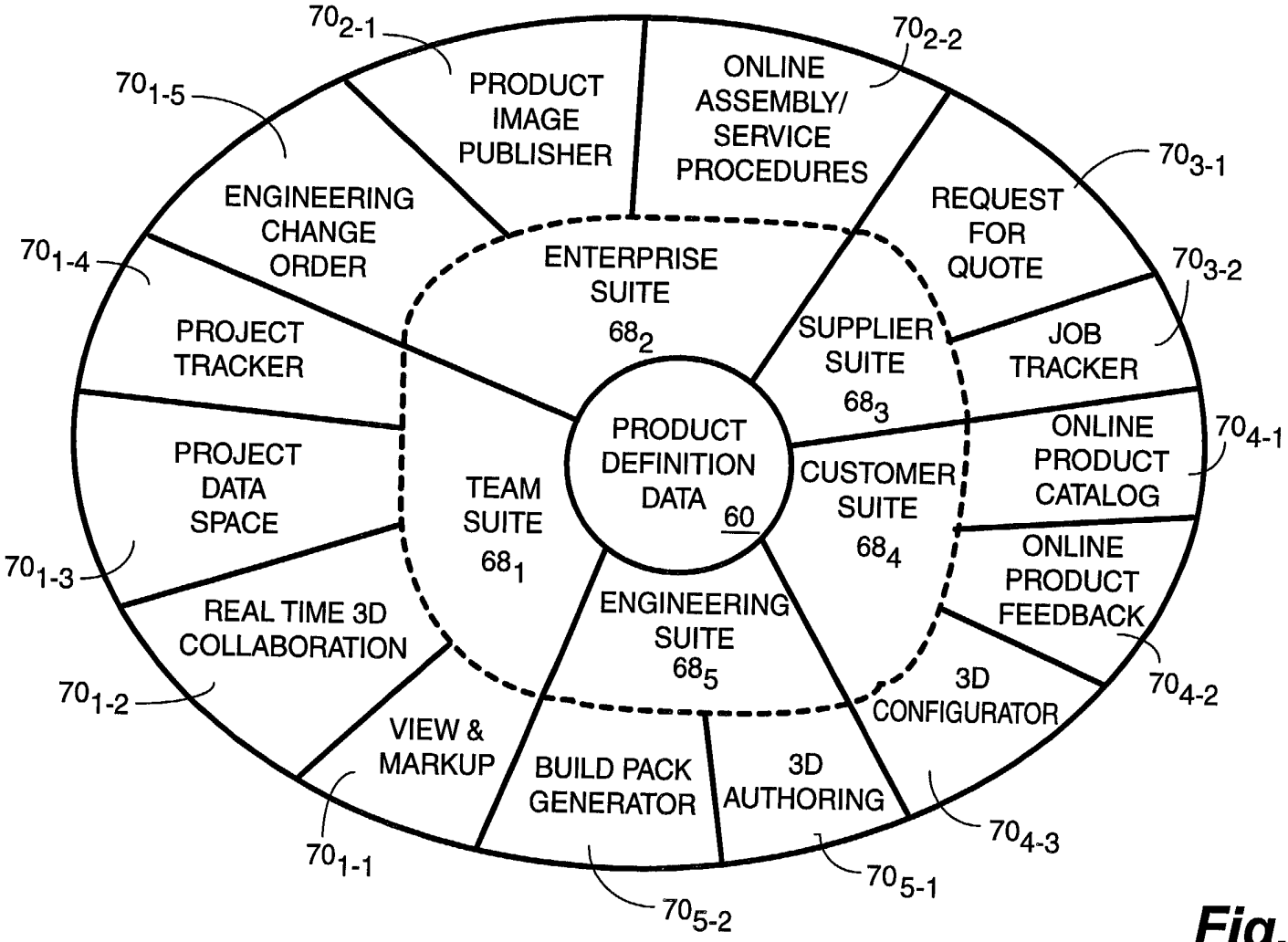

70_{2-1}
PRODUCT IMAGE PUBLISHER
70_{2-2}
ONLINE ASSEMBLY/ SERVICE PROCEDURES
70_{1-5}
ENGINEERING CHANGE ORDER
70_{3-1}
REQUEST FOR QUOTE
70_{1-4}
PROJECT TRACKER
ENTERPRISE SUITE 68_2
70_{3-2}
JOB TRACKER
SUPPLIER SUITE 68_3
PROJECT DATA SPACE
PRODUCT DEFINITION DATA 60
ONLINE PRODUCT CATALOG
70_{4-1}
CUSTOMER SUITE 68_4
70_{1-3}
TEAM SUITE 68_1
ONLINE PRODUCT FEEDBACK
REAL TIME 3D COLLABORATION
ENGINEERING SUITE 68_5
70_{4-2}
70_{1-2}
3D CONFIGURATOR
VIEW & MARKUP
BUILD PACK GENERATOR
3D AUTHORING
70_{4-3}
70_{1-1}
70_{5-1}
70_{5-2}

Fig. 7

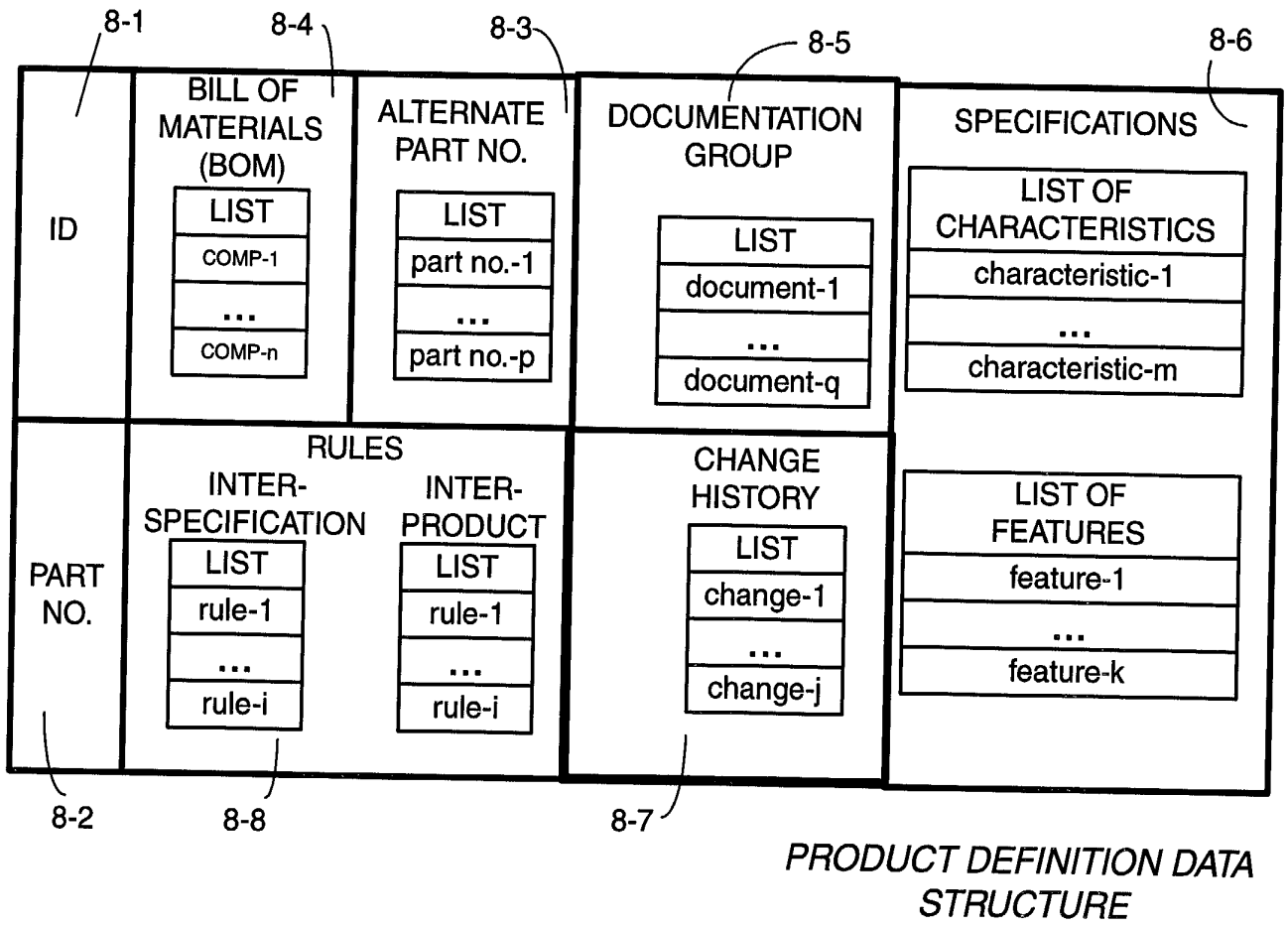

8-1
8-4
8-3
8-5
8-6
ID
BILL OF MATERIALS (BOM)
LIST
COMP-1
...
COMP-n
ALTERNATE PART NO.
LIST
part no.-1
...
part no.-p
DOCUMENTATION GROUP
LIST
document-1
...
document-q
SPECIFICATIONS
LIST OF CHARACTERISTICS
characteristic-1
...
characteristic-m
PART NO.
RULES
INTER-SPECIFICATION
LIST
rule-1
...
rule-i
INTER-PRODUCT
LIST
rule-1
...
rule-i
CHANGE HISTORY
LIST
change-1
...
change-j
LIST OF FEATURES
feature-1
...
feature-k
8-2
8-8
8-7
PRODUCT DEFINITION DATA STRUCTURE

Fig. 8

TOSTIT" 2268860

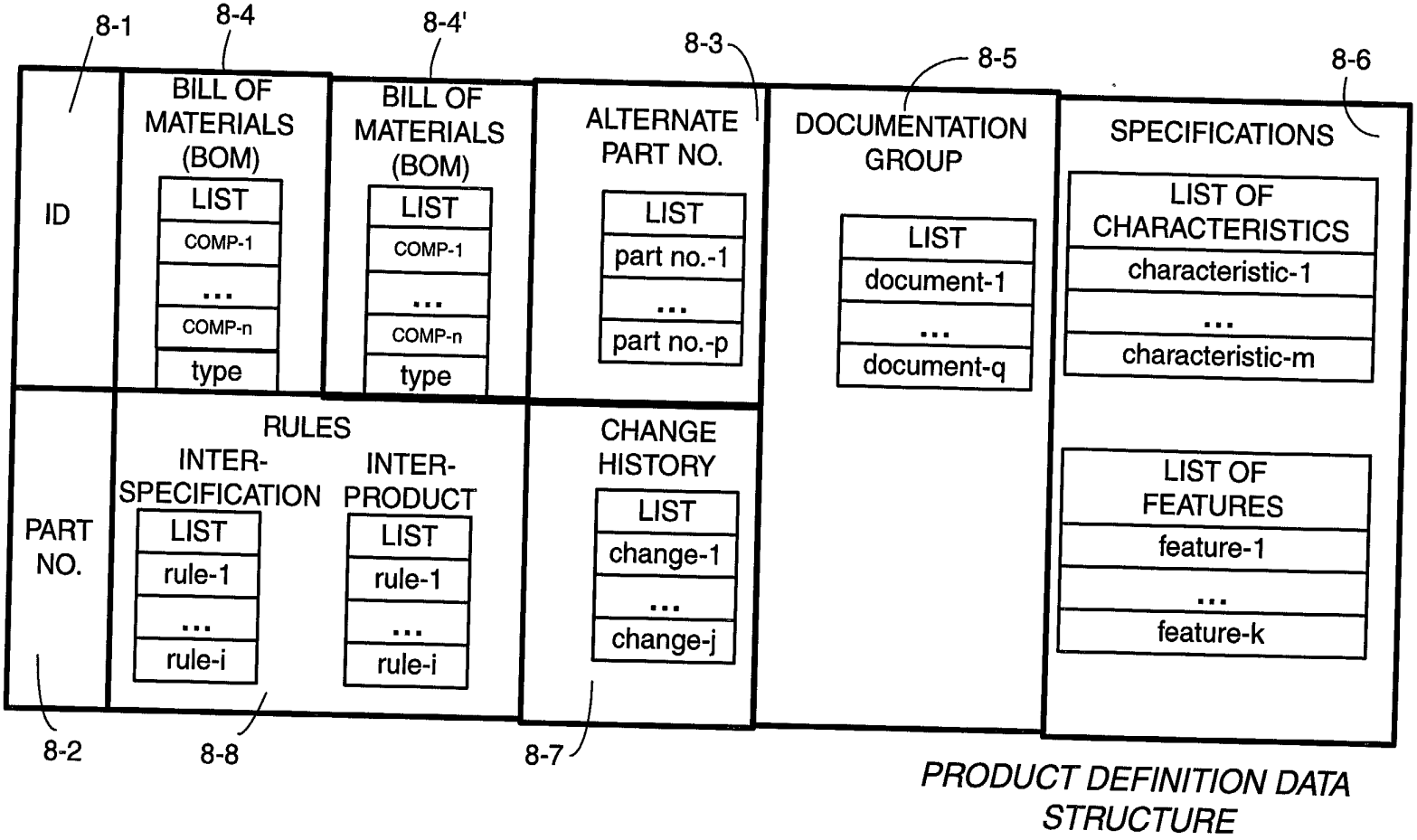


Fig. 8A

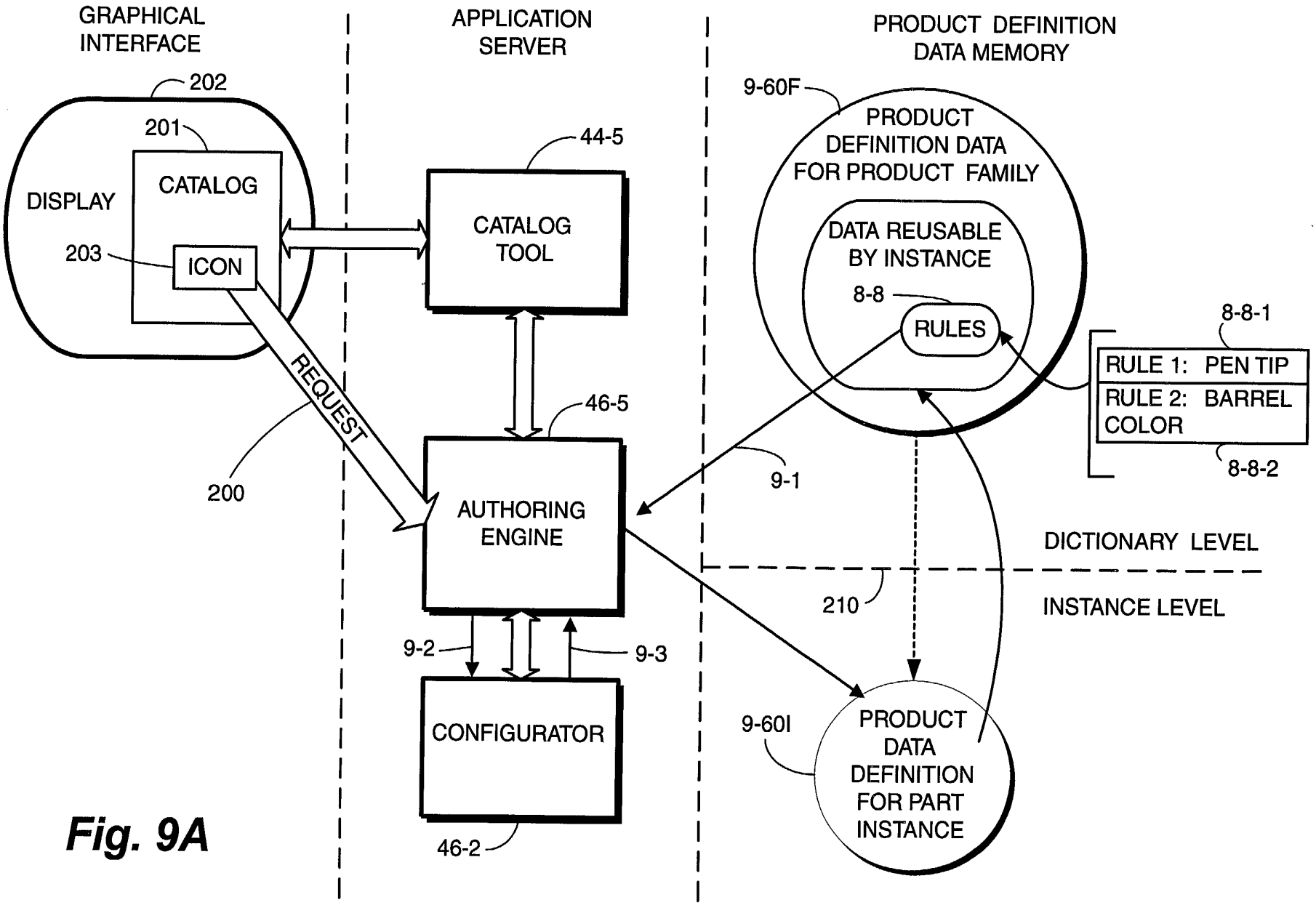

GRAPHICAL INTERFACE
APPLICATION SERVER
PRODUCT DEFINITION DATA MEMORY
202
201
DISPLAY
CATALOG
203
ICON
REQUEST
200
44-5
CATALOG TOOL
46-5
AUTHORING ENGINE
9-2
9-3
CONFIGURATOR
46-2
9-60F
PRODUCT DEFINITION DATA FOR PRODUCT FAMILY
DATA REUSABLE BY INSTANCE
8-8
RULES
9-1
8-8-1
RULE 1: PEN TIP
RULE 2: BARREL COLOR
8-8-2
DICTIONARY LEVEL
210
INSTANCE LEVEL
9-60I
PRODUCT DATA DEFINITION FOR PART INSTANCE

Fig. 9A

TOSTTT"2268886D

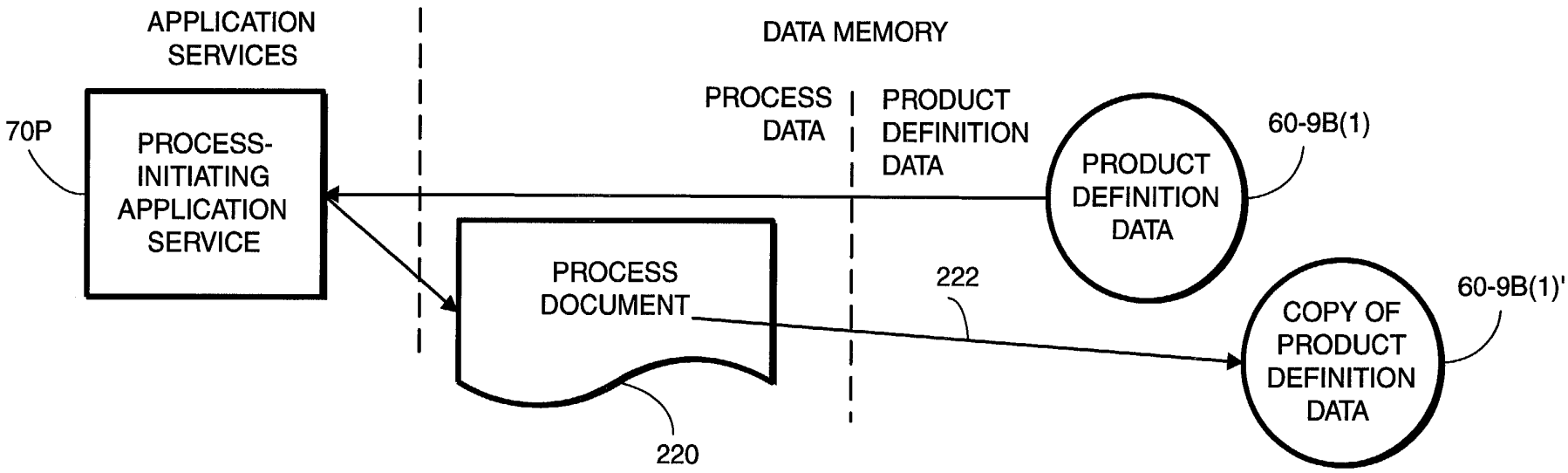


Fig. 9B(1)

TO6TTT 2688860

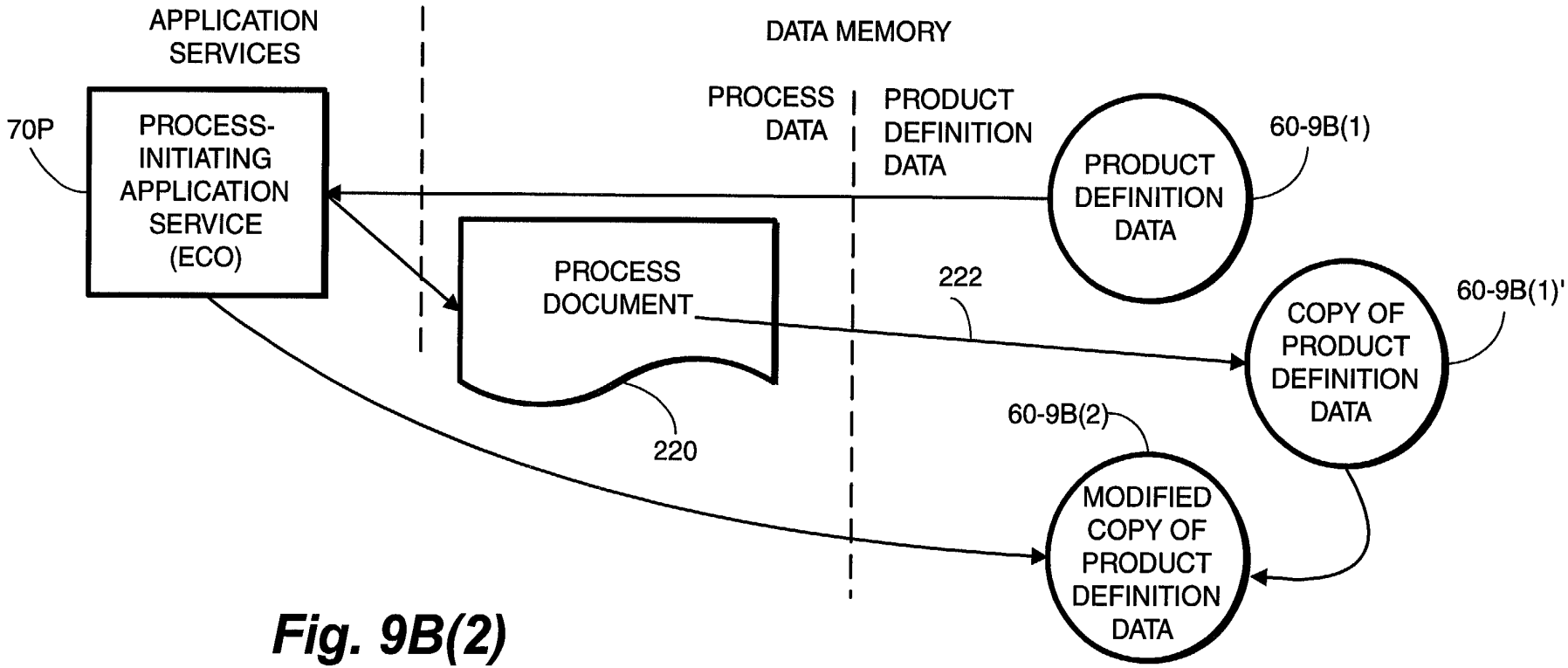


Fig. 9B(2)

TOSTTT" 2683860

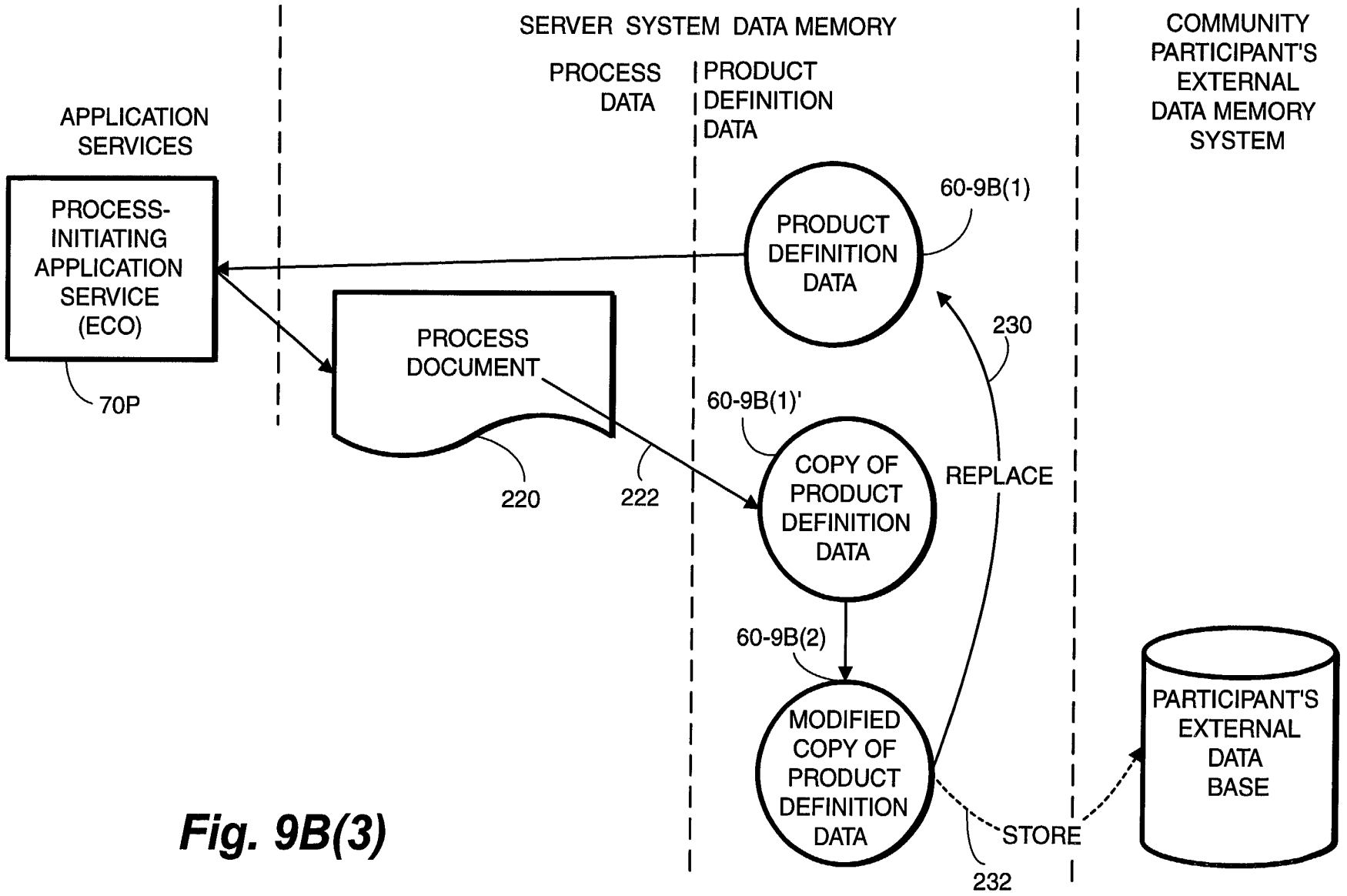


Fig. 9B(3)

TOGITT" 2268860

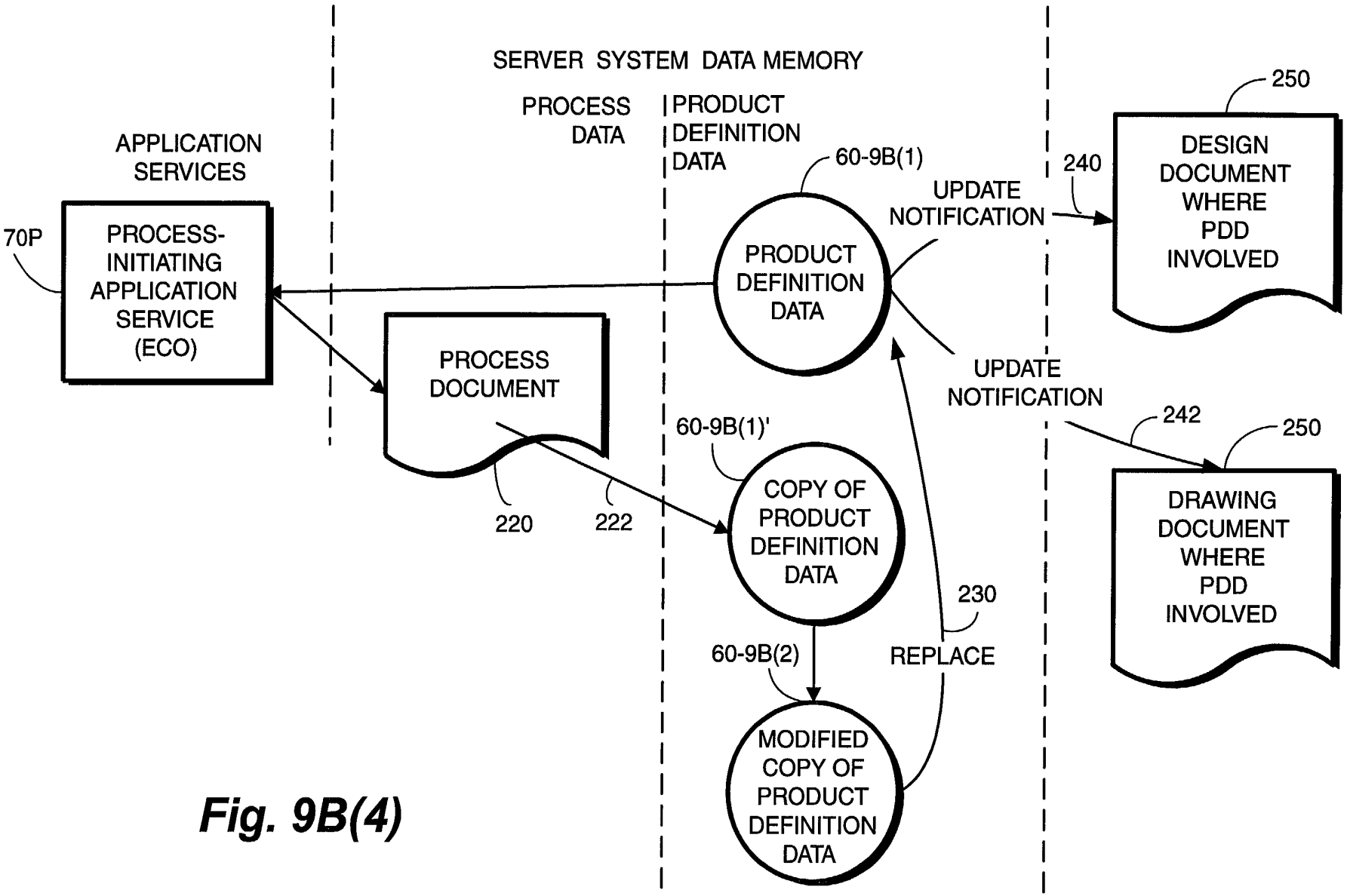


Fig. 9B(4)

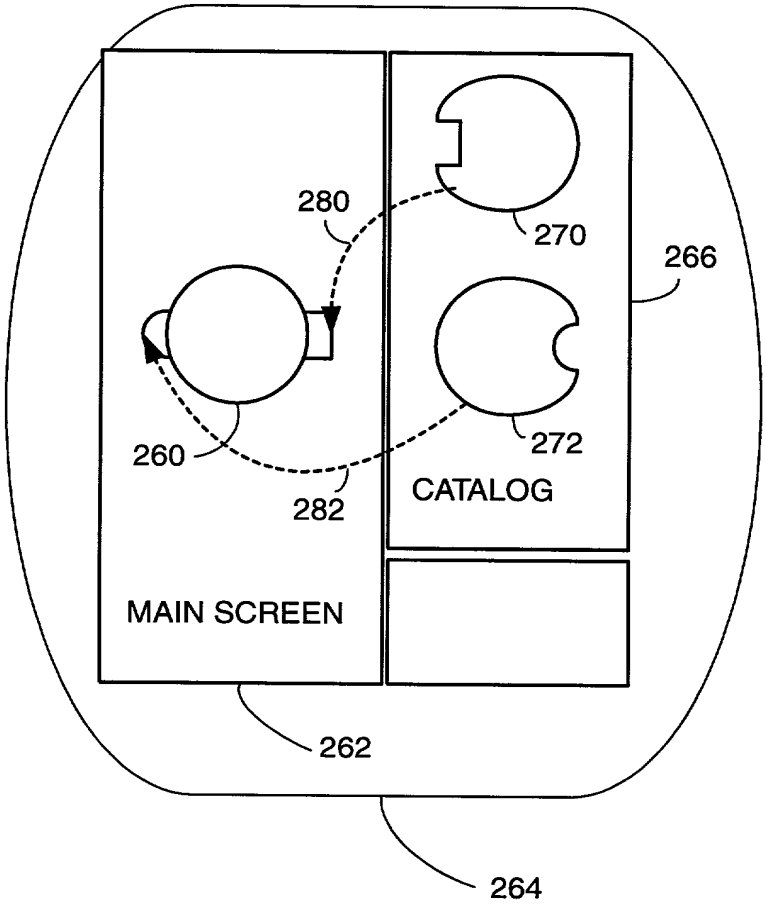


Fig. 9C(1)

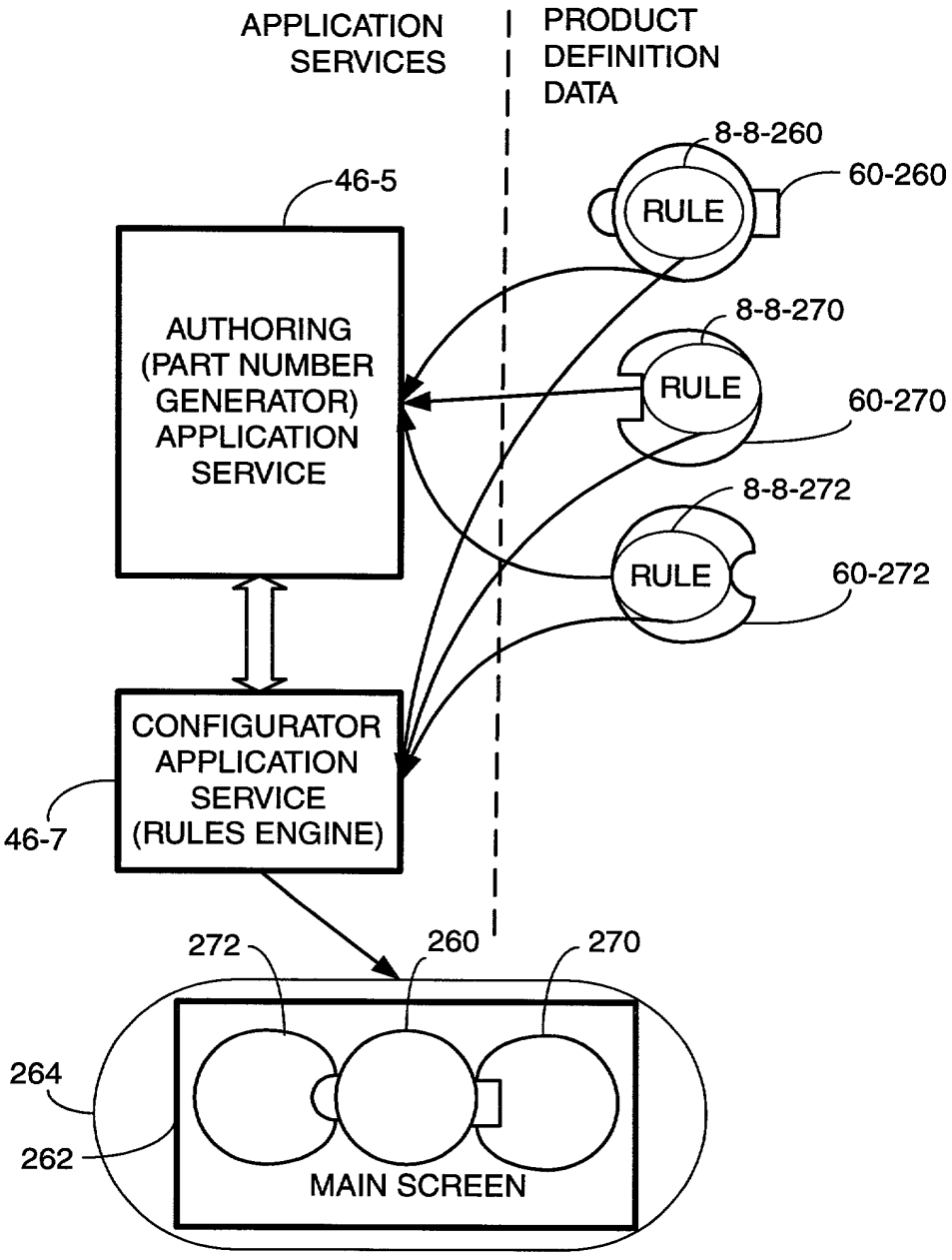

APPLICATION SERVICES
PRODUCT DEFINITION DATA
8-8-260
60-260
RULE
46-5
AUTHORING (PART NUMBER GENERATOR) APPLICATION SERVICE
8-8-270
RULE
60-270
8-8-272
RULE
60-272
CONFIGURATOR APPLICATION SERVICE (RULES ENGINE)
46-7
272
260
270
264
262
MAIN SCREEN

Fig. 9C(2)

TOETT" 2/E33860

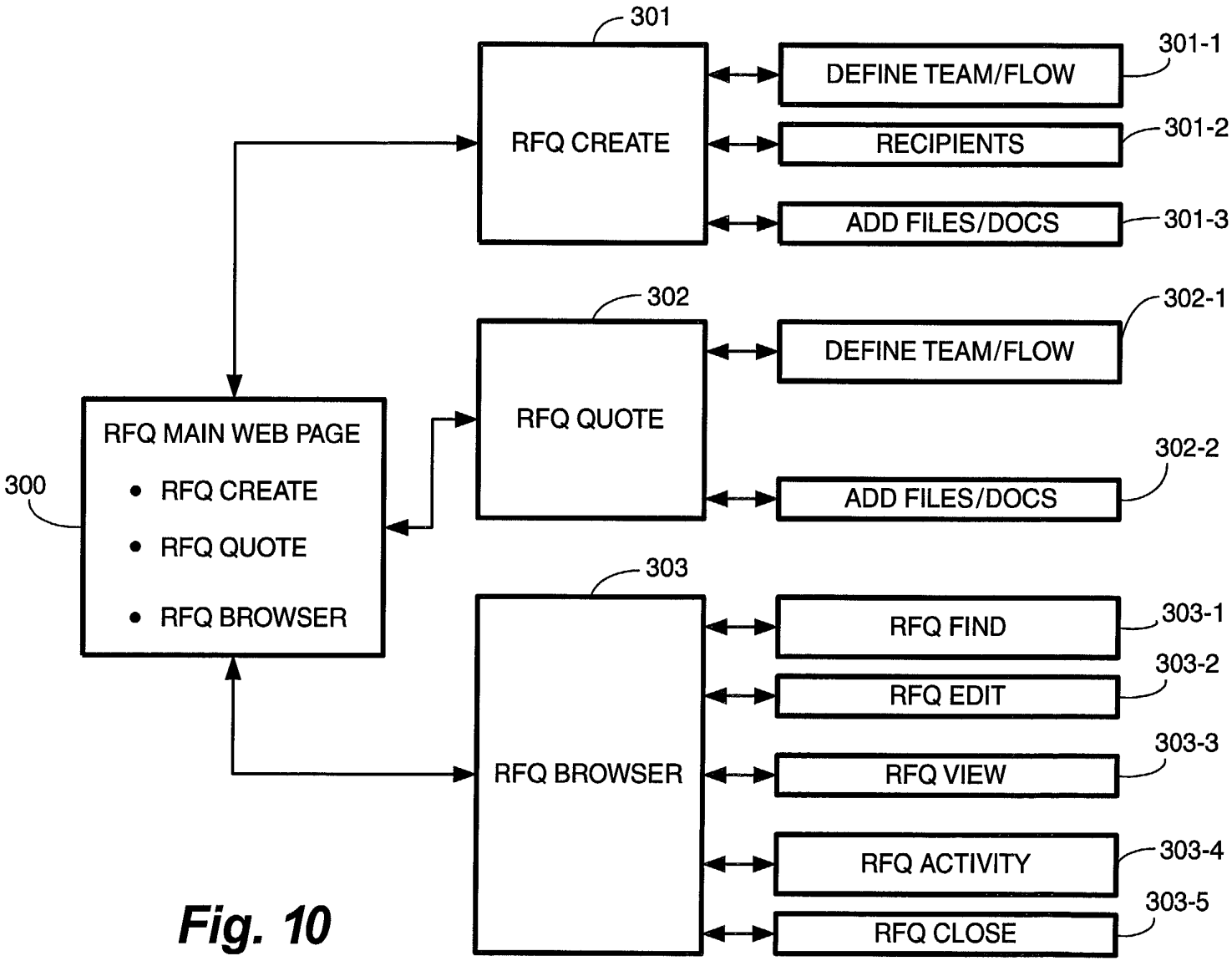


Fig. 10

RFQ Create

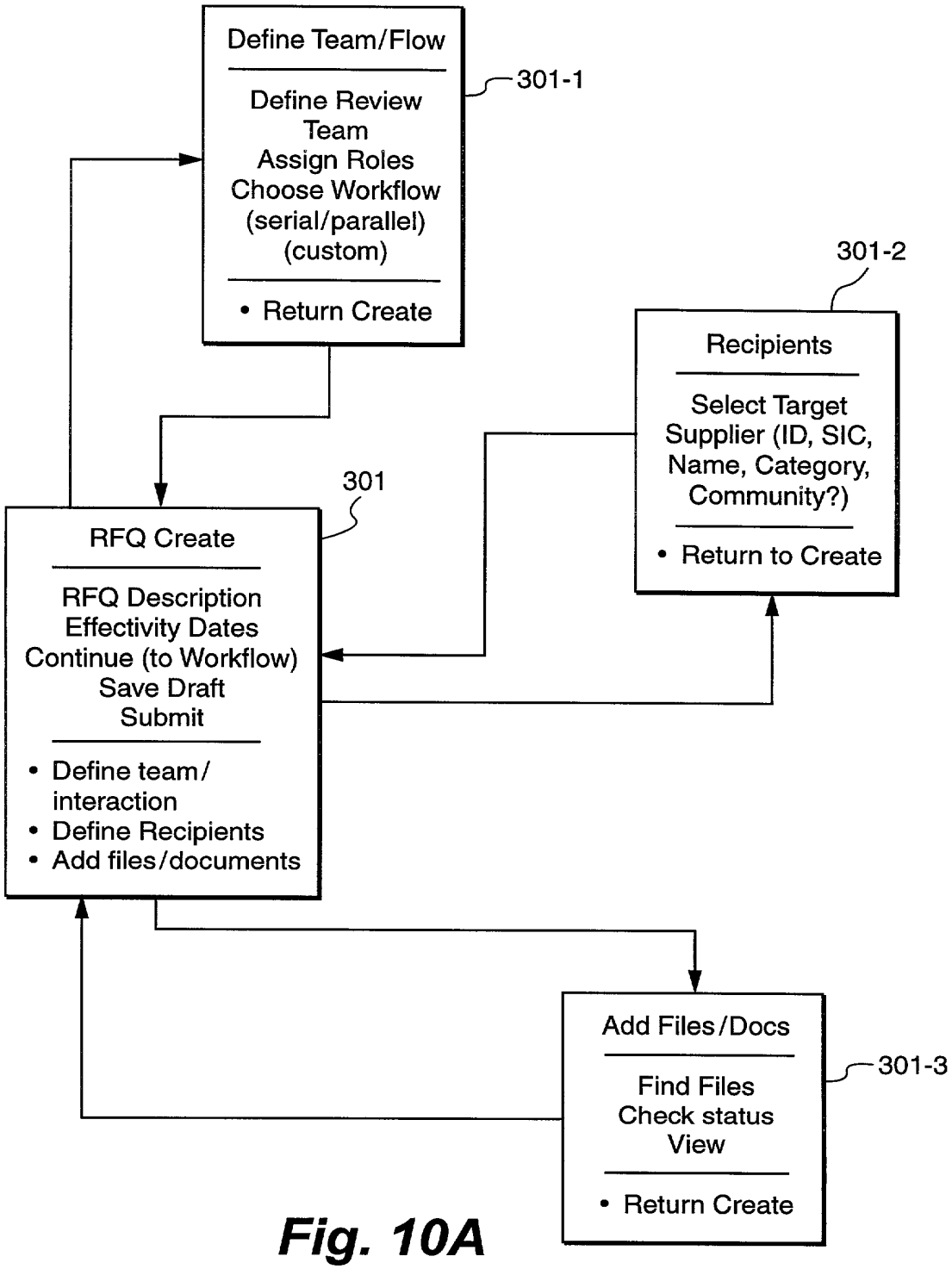


Fig. 10A

RFQ Quote

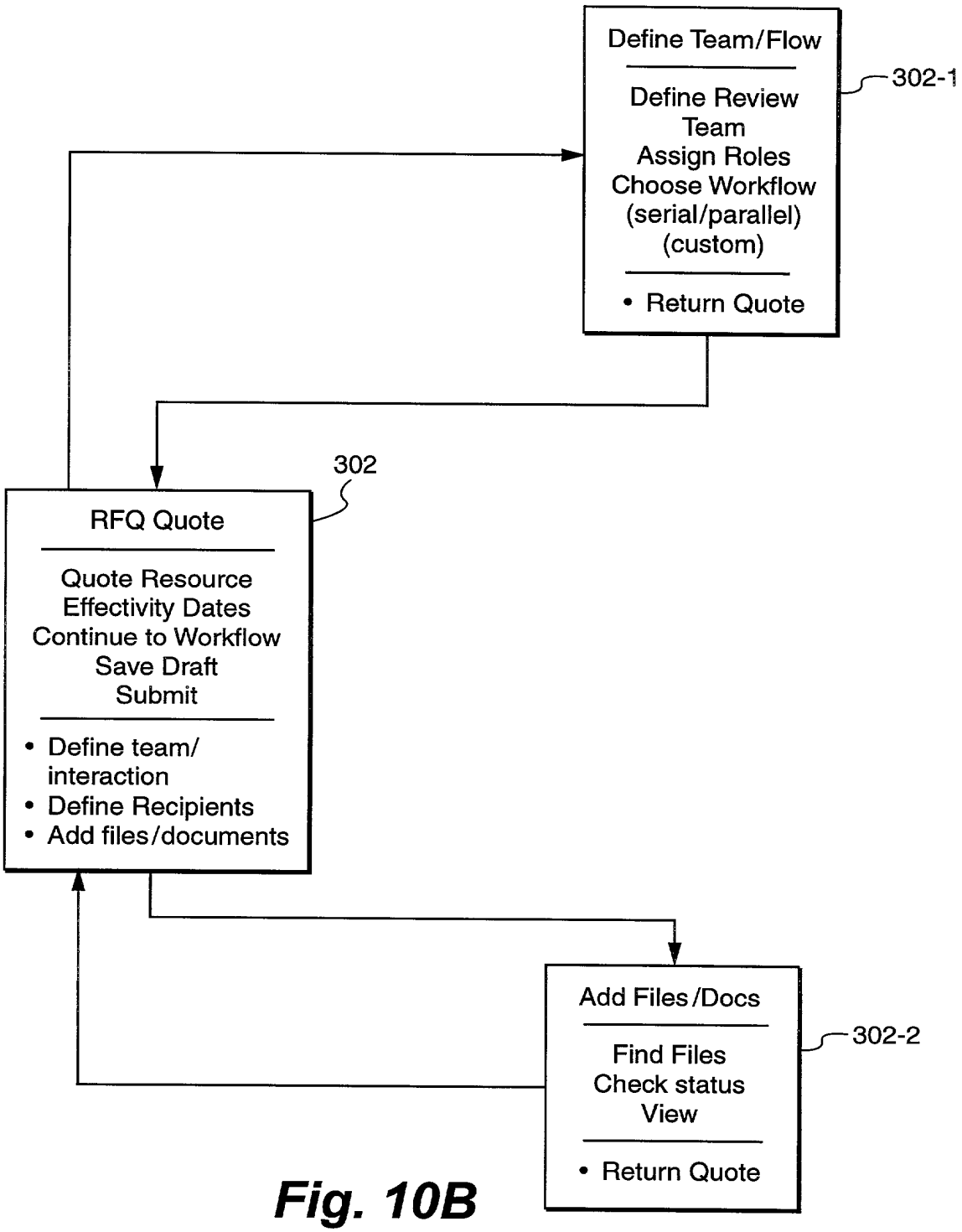


Fig. 10B

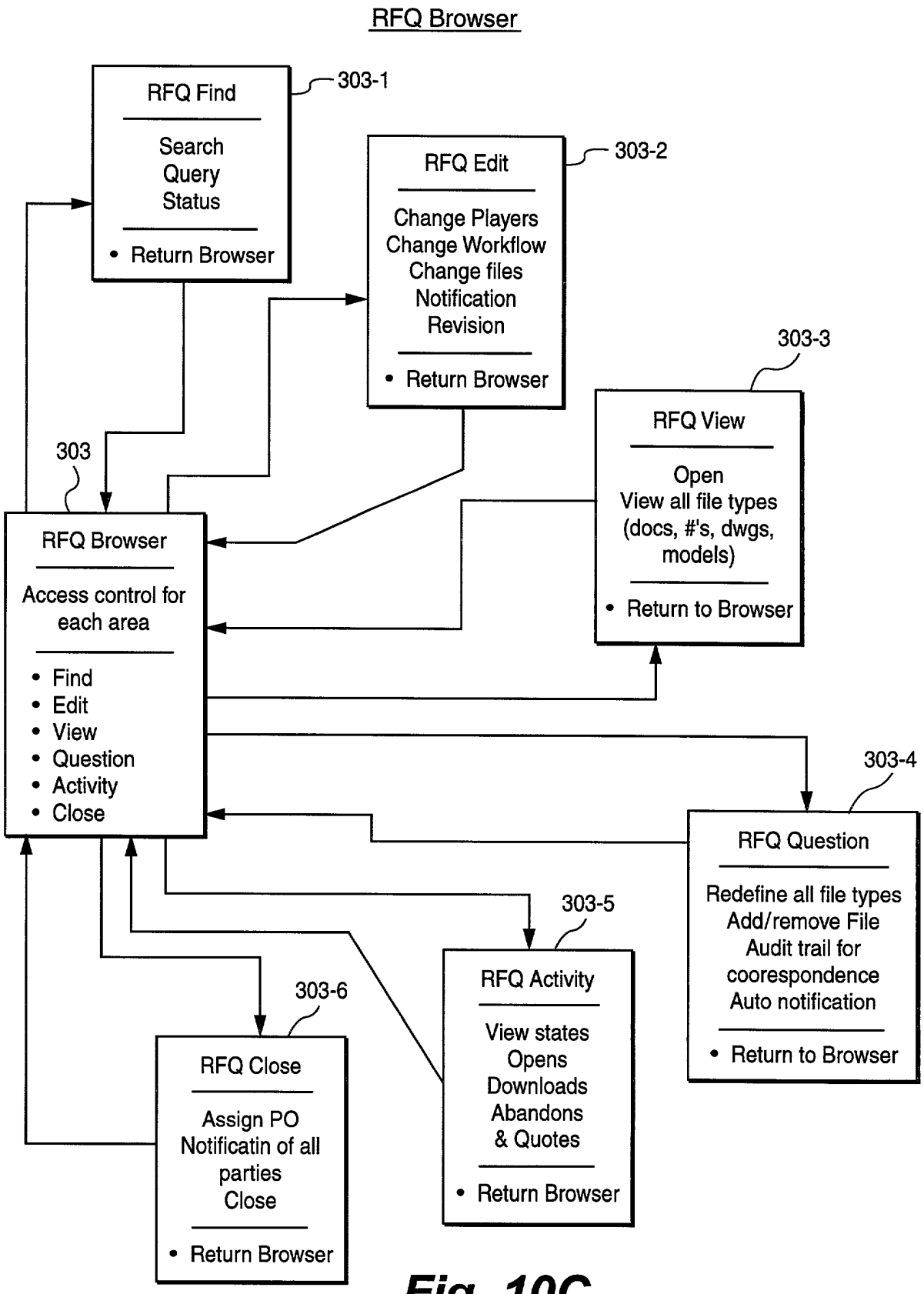

RFQ Browser
RFQ Find
Search
Query
Status
• Return Browser
303-1
RFQ Edit
Change Players
Change Workflow
Change files
Notification
Revision
• Return Browser
303-2
303-3
RFQ View
Open
View all file types
(docs, #'s, dwgs,
models)
• Return to Browser
303
RFQ Browser
Access control for
each area
• Find
• Edit
• View
• Question
• Activity
• Close
303-4
RFQ Question
Redefine all file types
Add/remove File
Audit trail for
coorespondence
Auto notification
• Return to Browser
303-5
RFQ Activity
View states
Opens
Downloads
Abandons
& Quotes
• Return Browser
303-6
RFQ Close
Assign PO
Notificatin of all
parties
Close
• Return Browser

Fig. 10C

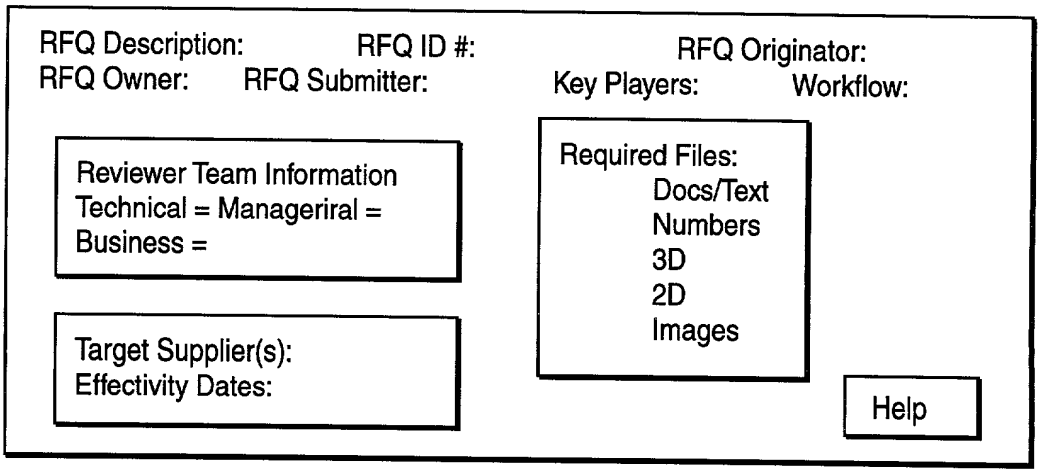


Fig. 11

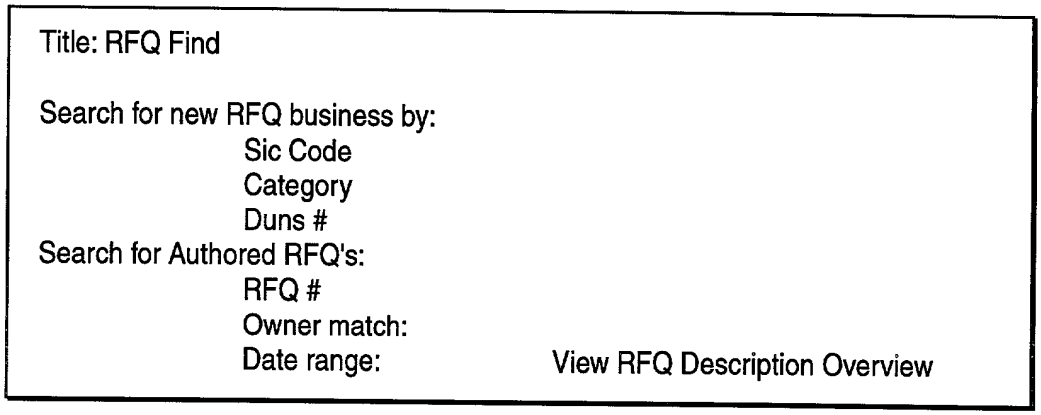


Fig. 12A

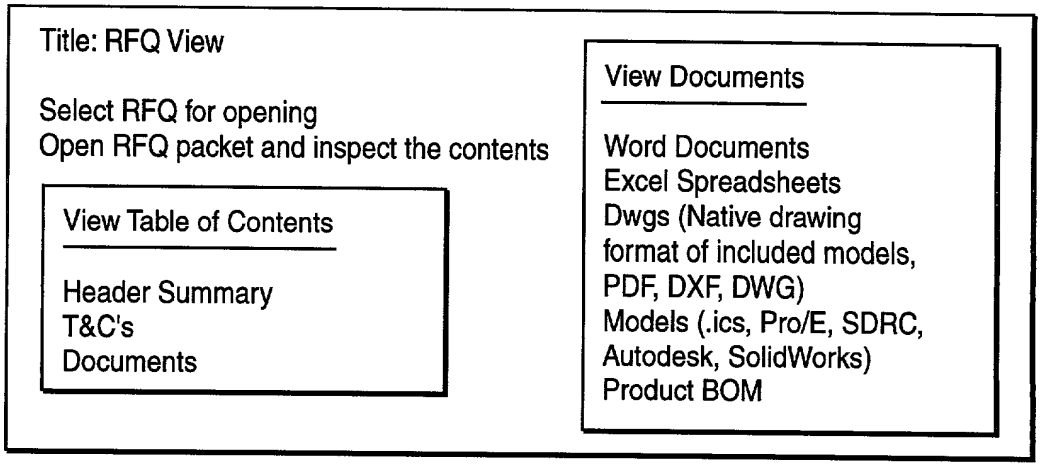


Fig. 12B

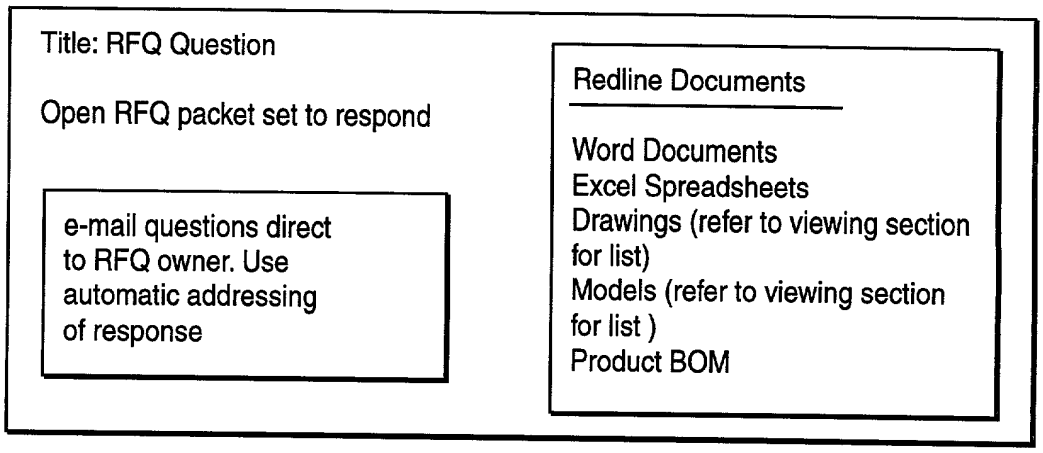


Fig. 12C

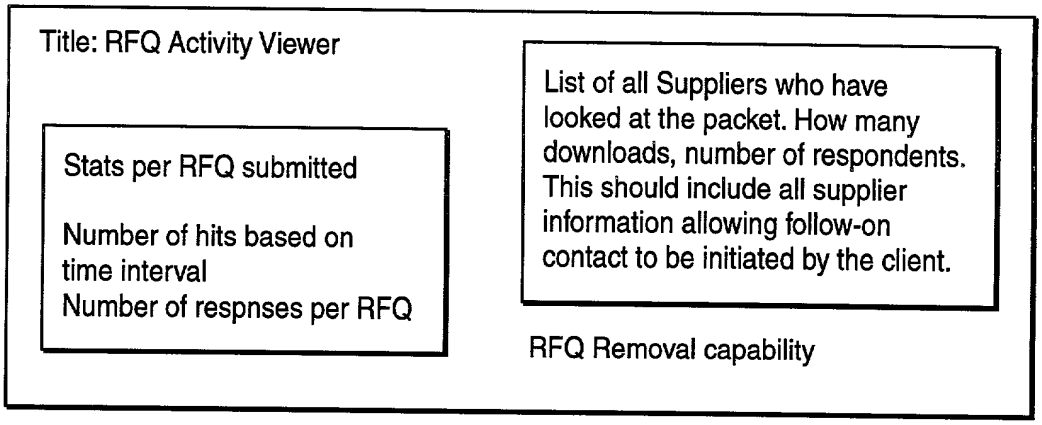


Fig. 12D